

## EAST Search History

| Ref # | Hits | Search Query  | DBs                             | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---------------------------------|------------------|---------|------------------|
| L1    | 4617 | ((phas\$3 or shift\$3) near2 (mask or photomask or reticle) or \$3PSM).ti, ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2007/05/04 09:32 |
| L2    | 819  | 1 and ((attenuat\$3 or halftone or half tone) with (phas\$3 or shift\$3 or PS or \$3PSM) or attPSM or att PSM or HPSM or H PSM or HTPSM or HT PSM).ti,ab.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2007/05/04 09:33 |
| L3    | 233  | 2 and ((etch\$3 or groov\$3 or recess\$3 or mesa or rais\$3 or thick\$4) with (phas\$3 or shift\$3 or PS or \$3PSM) or attPSM or att PSM or HPSM or H PSM or HTPSM or HT PSM).ti,ab.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2007/05/04 09:36 |
| L4    | 109  | 3 and ((blank or wavelength or wave length) with (phas\$3 or shift\$3 or mask or photomask or reticle or PS or \$3PSM) or attPSM or att PSM or HPSM or H PSM or HTPSM or HT PSM).ti,ab.                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2007/05/04 09:39 |
| L5    | 8782 | 430/5.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2007/05/04 09:40 |
| L6    | 422  | 216/12.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2007/05/04 09:40 |
| L7    | 55   | 3 and (5 or 6) not 4  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2007/05/04 09:40 |
| L8    | 240  | 2 and (5 or 6) not 4 not 7  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2007/05/04 09:43 |
| L9    | 13   | 8 and (reactive ion near2 etch\$3 or RIE) with ("SF.sub.6" or "CF.sub.4" or sulfur hexafluoride or carbon tetrafluoride)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2007/05/04 09:42 |
| L10   | 2    | 2 and (reactive ion near2 etch\$3 or RIE) with ("SF.sub.6" or "CF.sub.4" or sulfur hexafluoride or carbon tetrafluoride) not 4 not 7 not 9  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2007/05/04 09:45 |
| L11   | 2    | 3 and ((blank or wavelength or wave length) with (phas\$3 or shift\$3 or mask or photomask or reticle or PS or \$3PSM) or attPSM or att PSM or HPSM or H PSM or HTPSM or HT PSM) not 4 not 7 not 9 not 10 | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2007/05/04 09:49 |

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|     |     |   |                                 |     |    |                  |
|-----|-----|---|---------------------------------|-----|----|------------------|
| L12 | 1   | 3 and ((second or third or plural or multiple) with (wavelength or wave length or thick\$4) same (phas\$3 or shift\$3 or mask or photomask or reticle or PS or \$3PSM) or attPSM or att PSM or HPSM or H PSM or HTPSM or HT PSM).ti,ab. not 4 not 7 not 9 not 10 not 11               | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 09:51 |
| L13 | 4   | 3 and ((second or third or plural or multiple) same (wavelength or wave length or thick\$4) same (phas\$3 or shift\$3 or mask or photomask or reticle or PS or \$3PSM) or attPSM or att PSM or HPSM or H PSM or HTPSM or HT PSM).ti,ab. not 4 not 7 not 9 not 10 not 11 not 12        | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 09:52 |
| L14 | 5   | 2 and ((second or third or plural or multiple) same (wavelength or wave length or thick\$4) same (phas\$3 or shift\$3 or mask or photomask or reticle or PS or \$3PSM) or attPSM or att PSM or HPSM or H PSM or HTPSM or HT PSM).ti,ab. not 4 not 7 not 9 not 10 not 11 not 12 not 13 | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 09:53 |
| L15 | 140 | 2 and ((second or third or plural or multiple) same (wavelength or wave length or thick\$4) same (phas\$3 or shift\$3 or mask or photomask or reticle or PS or \$3PSM) or attPSM or att PSM or HPSM or H PSM or HTPSM or HT PSM) not 4 not 7 not 9 not 10 not 11 not 12 not 13 not 14 | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 10:03 |
| L16 | 79  | 15 and ((transmi\$6 or transpar\$6) same ((attenuat\$3 or halftone or half tone) same (phas\$3 or shift\$3 or \$3PSM)) or attPSM or att PSM or HPSM or H PSM or HTPSM or HT PSM).ti,ab.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 10:02 |
| L17 | 7   | ((Cheng Ming or ChengMing) near2 Lin).in. not 4 not 7 not 9 not 10 not 11 not 12 not 13 not 14 not 16   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 10:04 |
| L18 | 579 | (5 or 6) and (attenuat\$3 or halftone or half tone or semitranspar\$6 or semitransmi\$6 or semi (transpar\$6 or transmi\$6) or partial\$2 (transpar\$6 or transmi\$6) or attPSM or att PSM or HPSM or H PSM or HTPSM or HT PSM).ti,ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 10:11 |

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|     |     |   |                                 |     |    |                  |
|-----|-----|---|---------------------------------|-----|----|------------------|
| L19 | 22  | 18 and ((wavelength or wave length) and (thick\$4 or depth or height)).ti,ab.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 10:13 |
| L20 | 58  | 18 and (wavelength or wave length).ti,ab. not 19  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 10:15 |
| L21 | 148 | 18 and (transmit\$5 or transmis\$8 or transparen\$4) same (equation or expression or formula)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 10:20 |
| L22 | 161 | 18 and (phas\$3 or shift\$3 or PS or \$3PSM) same (equation or expression or formula)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 10:21 |
| L23 | 116 | 21 and 22   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 10:21 |
| L24 | 19  | (mask or photomask or reticle or \$3PSM) near3 blank same (different or other or another or plural or multiple) near3 (company or organization or corporation or enterprise or establishment or firm or outfit or crafter or business or fabricator or creator or builder or producer or assembler or manufacturer or maker or supplier)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 11:18 |
| L25 | 0   | ( ((phas\$3 or shift\$3 or \$3PS) near2 (mask or photomask or reticle) or \$3PSM) and (attenuat\$3 or halftone or half tone or attPSM or att PSM or HPSM or H PSM or HTPSM or HT PSM) and (wavelength or wave length) and blank and etch\$3 and (transmit\$5 or transmis\$8 or transparen\$4) and (light\$3 or radiat\$3) and thickness and (company or organization or corporation or enterprise or establishment or firm or outfit or crafter or business or fabricator or creator or builder or producer or assembler or manufacturer or maker or supplier) ).clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 11:22 |

## EAST Search History

|     |   |  |                                 |     |    |                  |
|-----|---|--|---------------------------------|-----|----|------------------|
| L26 | 9 | ( ((phas\$3 or shift\$3 or \$3PS) near2 (mask or photomask or reticle) or \$3PSM) and (attenuat\$3 or halftone or half tone or attPSM or att PSM or HPSM or H PSM or HTPSM or HT PSM) and (wavelength or wave length) and blank and etch\$3 and (transmit\$5 or transmis\$8 or transparen\$4) and (light\$3 or radiat\$3) and thickness ).clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2007/05/04 11:22 |
|-----|---|--|---------------------------------|-----|----|------------------|